

ABSTRACT

The invention relates to a far-end crosstalk canceling circuit for a digital subscriber line transmission system, the transmission system including a plurality of line termination modems receiving discrete multitone symbols from corresponding network termination modems over a plurality of transmission channels. The invention estimates the modulated data actually transmitted by the network termination modems from the frequency components of the discrete multitone symbols received by the line termination modems and to evaluate the far-end crosstalk as a linear combination of these estimates. Far-end crosstalk cancellation for all the line termination modems is also provided in a centralized manner.

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